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28 December 1970

MEMORANDUM FOR: Deputy for Operations, OSA  
THROUGH : Chief, SAS/O/OSA.  
SUBJECT : Program Progress Report

Attached is the Program Progress Report on the  
Aero Medical and Life Support Activities for the period  
1 October 1970 thru 31 December 1970 for the  
Aero Medical Staff, OSA.

Chief, Aero Medical Staff  
Office of Special Activities

Attachment  
As stated above

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28 December 1970

AERO MEDICAL AND LIFE SUPPORT ACTIVITIES

1 October 1970 thru 31 December 1970

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A. Medical

1. Since the last report two final selections were made from USAF Pilot Candidates for project pilots. These are two outstanding young men. They are our first departure from obtaining candidates with Aeronautical engineer degrees. The psychologists rate them extremely high on intellectual grounds but basically they are stable, tough, stick-and-rudder types.

In December 1970 they will have finished the first part of their Resistance to Interrogation (RTI) training and will have the Practical Phase in late January 1971.

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5. [redacted] has returned from [redacted] after three month's TDY. He will be reassigned next spring and we are shopping for his replacement. We recently had a candidate visit Headquarter's who would do an outstanding job in this position and is anxious to come aboard if he can be relieved from his present assignment.

6. The AF Surgeon General, Lt/General Towner, visited Detachment G during this reporting period as part of a tour including all special projects with Air Force interest or involvement.

B. Life Support Equipment

1. Six-Line Release

The test program covering ECP U-2R-61 "Personnel Parachute -- Control of" began at LAC, Burbank, California, in early December 1970. Live-jump tests, using the S-1010 PPA and the 901-J Full-Pressure Suit, are scheduled to begin at the El Centro, California, Test Facility on 9 February 1971.

2. Tree-Lowering Device

The tree-lowering device is now a standard part of the RQ-225 Parachute Assembly and all parachutes are being modified as they go through LAC for repack.

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The first two modified chutes arrived at Detachment H on 16 November 1970.

### 3. White, Outer Coverall for S-1010 PPA

During the past summer it became quite obvious that the project pilots were experiencing heat problems at maximum altitude especially on the back of the hands and on the thighs. As a possible solution, a new white, outer coverall of fire suppressant nomex was fabricated and test flown. Results were optimistic and new white coveralls are now in service for all project pilots.

4. Four S-1010 PPA's were delivered to Detachment H in November 1970 to provide a two-suit capability [redacted] This provides a system similar to the two-suit system that the project pilots now enjoy.

### C. Training

[redacted]

During the first week of December 1970 physiological training, including a full-pressure suit chamber flight and explosive decompression, was accomplished for [redacted]

### 2. Parasail Launch Platform

A new parasail launch platform is being fabricated [redacted] in preparation for parasail training to be conducted in February or March 1971.

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